

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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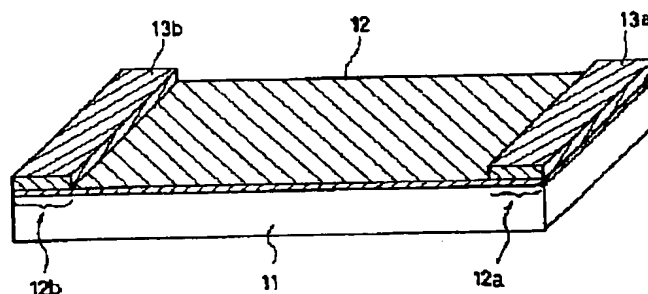
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APPLICANT : TOSHIBA CORP;

INVENTOR : KUDO YUKI;

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TITLE : CONNECTION DEVICE AND  
SUPERCONDUCTING MAGNET



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the thermal conductivity of a connection device connecting nonsuperconductor wiring to superconductor wiring, and increase the current capacity.

SOLUTION: A substrate 11, an oxide superconductor layer 12 which is installed on both sides of the substrate 11 and composed of, for example,  $Y_1Ba_2Cu_3O_{7-X}$ , etc., and a first connecting terminal 13a and a second connecting terminal 13b arranged on a first region 12a and a second region 12b of the oxide superconductor layer 12 respectively, are provided. A superconductor layer 12 may be installed on both sides of the substrate 11. Using the constitution can reduce the heat invasion by the substrate 11 and increase the current capacity.

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